

Experiment Number: 666681

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 2-Chloroethanol (ethylene chlorohydrin)

CAS Number: 107-07-3

Date Report Requested: 09/19/2018

Time Report Requested: 18:48:50

**NTP Study Number:**

666681

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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**Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

		MN PCE/1000	% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	4.70 ± 0.56		3.76 ± 0.44
25.0	4	4.13 ± 1.14	0.7178	3.40 ± 0.17
50.0	5	3.60 ± 0.66	0.8868	3.78 ± 0.25
100.0	5	3.40 ± 0.37	0.9261	2.58 ± 0.29
Trend p-Value		0.9320		
Positive Control <sup>2</sup>	5	8.90 ± 1.29	< 0.001 *	3.24 ± 0.28
Trial Summary: Negative				

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**Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h**

		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.30 ± 0.25		55.90 ± 2.15
25.0	5	2.10 ± 0.24	0.6186	50.80 ± 1.68
50.0	4	1.25 ± 0.25	0.9491	55.88 ± 2.18
100.0	5	2.60 ± 0.53	0.3339	53.10 ± 3.56
Trend p-Value		0.3280		
Positive Control <sup>2</sup>	5	3.80 ± 0.41	0.0272 *	60.60 ± 5.61
Trial Summary: Negative				

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**\*\* END OF REPORT \*\***